



STIC Search Report

EIC 3700

STIC Database Tracking Number: 157457

TO: Patricia Martin
Location: RND 8a40
Art Unit: 3700
Friday, June 24, 2005

Case Serial Number: 10/811796

From: Terry Solomon
Location: EIC 3700
RND 8b31
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Search Notes

No current or past litigation found involving US pat. 5897316.

Sources:

Lexis/Nexis
Questel-Orbit
Courtlink

234290 (08) 5897316 April 27, 1999

Time of Request: June 24, 2005 12:09 PM EDT

Research Information:

Utility, Design and Plant Patents
patno=5897316

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5897316

April 27, 1999

Endodontic treatment system

REISSUE: Reissue Application filed Apr. 26, 2001 (O.G. Sep. 4, 2001) Ex. Gp.: 3732; Re. S.N. 09/845,599, (O.G. September 4, 2001)
March 29, 2004 - Reissue Application filed Ex. Gp.: 3732; Re. S.N. 10/811,796 (O.G. July 20, 2004)

APPL-NO: 234290 (08)

FILED-DATE: April 28, 1994

GRANTED-DATE: April 27, 1999

LEGAL-REP: Bissell, Henry M.

Selected file: PLUSPAT
PLUSPAT - (c) Questel-Orbit, All Rights Reserved.
Comprehensive Worldwide Patents database

**** SS 1: Results 1**
PRT SS 1 MAX 1 LEGALALL

1 / 1 PLUSPAT - @QUESTEL-ORBIT - image

Patent Number :

US5897316 A 19990427 [US5897316]

Title :

(A) Endodontic treatment system

Inventor(s) :

(A) BUCHANAN LEONARD STEPHEN (US)

Application Nbr :

US23429094 19940428 [1994US-0234290]

Priority Details :

US23429094 19940428 [1994US-0234290]

Intl Patent Class :

(A) A61C-005/02

EPO ECLA Class :

A61C-005/02B1

US Patent Class :

ORIGINAL (O) : 433102000

Document Type :

Corresponding document

Citations :

USD250544; US-251598; USD283840; US1307446; US3908270; US4231738;
US4280808; US4299571; US4332561; US4340364; US4443193; US4518356;
US4527560; US4536159; US4538989; US4634378; US4674979; US4836780;
US4850867; US4934934; US4971556; US5017138; US5026284; US5125838;
US5219284; EP0257961 A; EP0501255 A; FR2597327 A; FR2617704 A; FR2647663
A; CH291668 A; CH657981 A
Mani Apical Reamer, Matsutani Seisakusho Co., Ltd. (four pages).

Single-Step Engine Reamer, Dental Products Report Jun., 1988 (one page).

Publication Stage :

(A) United States patent

Abstract :

An endodontic system of shaping instruments, irrigation cannulas, filling instruments and materials designed to safely create specific tapers of root canal preparations and to clean, dry, seal, and restore them. The shaping instruments are a series of reamers, files, and handpiece burs, made of stainless steel, nickel-titanium, or other alloys, which impart several different specifically-tapered apertures in root canals. The instruments have one or more safety features to eliminate perforating curved roots, including shorter flute length as the angle of taper increases and variable sharpness along the length of the flute portion, as well as variable flute pitch along the length of the flute portion to maximize cutting efficiency and resistance to breakage, and a rounded tip to eliminate ledging. The hand instruments have a handle designed to optimize use of the instruments in apically directed, rotary cutting motions. The irrigation cannulas, the condensation heat carriers, pluggers, injection needles, and backfillers, and the materials, including drying paper points, filling materials, and restorative post systems, have shapes which match the canal tapers created by the shaping instruments.

1 / 1 LGST - @EPO

Patent Number :

US5897316 A 19990427 [US5897316]

Application Number :
US23429094 19940428 [1994US-0234290]
Action Taken :
20010904 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20010426

20040720 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20040329
Update Code :
2004-31

1 / 1 CRXX - @CLAIMS/RRX
Patent Number :
5,897,316 A 19990427 [US5897316]
Patent Assignee :
Buchanan, Leonard Stephen
Actions :
20010426 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20010904
REISSUE REQUEST NUMBER: 09/845599
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3732

Reissue Patent Number:

20040329 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20040720
REISSUE REQUEST NUMBER: 10/811796
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3732

Reissue Patent Number:

Session finished: 24 JUN 2005 Time 18:42:09
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